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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/534,704	12/06/2005	Casper Asmus	449122081300	6901
25227	7590	11/07/2006	EXAMINER	
MORRISON & FOERSTER LLP 1650 TYSONS BOULEVARD SUITE 300 MCLEAN, VA 22102			FISHMAN, MARINA	
		ART UNIT	PAPER NUMBER	
			2832	

DATE MAILED: 11/07/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/534,704	ASMUS ET AL.
Examiner	Art Unit	
Marina Fishman	2832	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 06 December 2005.

2a) This action is **FINAL**. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-8 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) Claim(s) _____ is/are allowed.
6) Claim(s) 1-8 is/are rejected.
7) Claim(s) _____ is/are objected to.
8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on 13 May 2006 is/are: a) accepted or b) objected to by the Examiner.

· Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

· Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 07/18/2005.

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
5) Notice of Informal Patent Application
6) Other: ____.

DETAILED ACTION

General status

1. This is a First Action on the Merits. Claims 1 - 8 are pending in the case and are being examined.

Priority

2. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Drawings

3. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the "contact carrier has a hollow cylindrical wall section" as recited in Claim 1, must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an

application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 112

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claims 1- 8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1, line 8, it is not clear what is meant by "rounded off edges having a defined radius."

In Claim 4, it is not clear what is meant by "the diameter of the rounded hole is in a region of slot width of the slots".

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

7. Claims 1, 2 and 6 – 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Zückler [US 4,667,070] in view of Aoki [US 4,806,714].

Regarding Claim 1, Zückler discloses a contact piece of a contact arrangement

for interrupting a current in a distribution system comprising:

- a contact carrier [20] which has a hollow-cylindrical section [6, 21] and a base wall [12];
- a contact disk [8] which lies opposite the base wall in a longitudinal direction, slots [14] being provided for producing a magnetic field.

Regarding Claim 1, Zückler discloses the instant claimed invention except for rims of the slots have rounded-off edges having a defined radius. Aoki discloses a contact disk having slots, and rims of the slots have rounded-off edges having a defined radius [r1, r2, Figure 5]. It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide rims of the slots with rounded-off edges having a defined radius in disk of Zuckler, as suggested by Aoki, in order to better wear characteristic [Aoki, column 2, line 46 - 48]. Regarding Claim 2, Zuckler does not disclose the radius of the rounded edges being function of voltage distribution. It would have been an obvious matter of design choice to provide appropriate radius for the edges, since such a modification would have involved a mere change in the size of a component. A change in size is generally recognized as being within the level of ordinary skill in the art. *In re Rose*, 105 USPQ 237 (CCPA 1955). Regarding Claims 6 - 8, Zuckler discloses slots in the disk as well as base section and the slots in the wall section [6], and the slots are inclined with respect to longitudinal direction.

8. Claims 3 - 5 rejected under 35 U.S.C. 103(a) as being unpatentable over Zückler [US 4,667,070] in view of Aoki [US 4,806,714], as applied to claim 1 above, and further in view of Aoki et al. [US 4,324,960] and Kurosawa et al. [US 4,210,790].

Regarding Claims 3 - 5, Zückler in view of Aoki '714 disclose the instant claimed invention except for slot ends having rounded hole, the width of the rounded hole equal to the slot width, and the slot end being rectangular. Aoki et al. '960 disclose slots ends with rounded holes and the end having width equal to the width of the slot and Kurosawa et al. discloses slot ends being rectangular. It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide slot ends with rounded hole and the width of the rounded hole equal to the slot width in the disk of Zuckler as suggested by Aoki et al. or provide the rectangular slot ends as suggested by Kurosawa et al. in order to optimize performance characteristic of the contact.

Conclusion

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Nishijima et al. [US 6,870,118], Kimura et al. [US 6,479,778], Haas [US 6,140,599] Peche et al. [US 4,453,054] all disclose contact arrangement. Applicant also should consider these references in response to this office action. Should issue arise concerning the rejection presented above, these references may be relied upon in a subsequent action to support the lack of novelty or obviousness of claimed subject matter to one of ordinary skill in the art.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marina Fishman whose telephone number is 571-272-1991. The examiner can normally be reached on 7-5 M-T.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin Enad can be reached on 571-272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Marina Fishman
October 24, 2006


ELVIN ENAD
SUPERVISORY PATENT EXAMINER

10/31/06